

CLAIMS

What is claimed is:

1. A medicament delivery method comprising;

(a) providing a delivery system comprising a delivery formulation comprising an

5 effective amount of an inactivated bioactive peptide and an effective amount of a mucosal

absorption enhancer for enhancing mucosal absorption of the peptide in the buccal cavity; ^{LAB}

(b) bringing the delivery formulation into contact with the mucosal surface of the

buccal cavity under conditions suitable to permit an effective amount of the peptide to be absorbed.

10 2. ~~The method of claim 1 wherein the mucosal absorption enhancer comprises a~~

~~quaternary ammonium salt.~~ ^{see 179 546}

3. ~~The method of claim 2 wherein the quaternary ammonium salt comprises~~

~~benzalkonium chloride.~~ ^{common preservative}

4. The method of claim 1 wherein the peptide comprises an ozone-inactivated toxin.

5. The method of claim 1 wherein the formulation is delivered by spraying to the

roof of the mouth.

6. The method of claim 1 wherein the delivery system further comprises an aerosol

actuator, for use in containing and spraying the delivery formulation.

7. A delivery system comprising an aerosol dispenser containing a delivery

20 formulation comprising an effective amount of an inactivated bioactive peptide and an effective

amount of a mucosal absorption enhancer for enhancing mucosal absorption of the peptide in the

buccal cavity.

8. The system of claim 7 wherein the delivery device is selected from the group consisting of aerosol and non-aerosol dispensers. *claim 7 nur aerosol*

* 9. A medicament delivery formulation comprising an effective amount of an inactivated bioactive peptide and an effective amount of a mucosal absorption enhancer for enhancing mucosal absorption of the peptide in the buccal cavity. *intend user*

10. A combination comprising a delivery formulation according to claim 9 in contact with the mucosal membrane of the roof of the mouth. *LAB*

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